

Name: _____
PC: Decomposition Homework 2

Date: _____
Ms. Loughran

Find functions f and g such that $h(x) = (f \circ g)(x)$.

1. $h(x) = (3x^2 - 2)^4$	2. $h(x) = (x^2 - x + 1)^8$
3. $h(x) = \sqrt[3]{x-4}$	4. $h(x) = \frac{1}{x+2}$
5. $h(x) = \sqrt{x^2+6}$	6. $h(x) = 2^{6x+7}$
7. $h(x) = \sqrt[4]{x+1}$	8. $h(x) = (5x-8)^6$

Express the function in the form $(f \circ g \circ h)(x)$

9. $F(x) = \sqrt[3]{(x+4)^2}$

10. $F(x) = (5x-8)^6$